

**DEPARTMENT OF TRANSPORTATION
HAWAII STATE TRANSPORTATION PLAN**

Mission: To facilitate the safe, economic, efficient, and convenient movement of people and goods.

HSTP CODE	DESCRIPTION OF GOALS	HSTP CODE	DESCRIPTION OF OBJECTIVES
MOBILITY AND ACCESSIBILITY			
G1	Goal 1: Achieve an integrated multi-modal transportation system that provides mobility and accessibility for people and goods.	G101	Objective 1: To preserve, maintain, and improve the transportation system infrastructure and facilities. A. Improve connectivity of the transportation system. B. Increase capacity. C. Pursue the maintenance and rehabilitation of the transportation system. D. Ensure provision of essential operations and facilities.
		G102	Objective 2: To increase the efficiency of the transportation system operations. A. Enhance intermodal connectivity. B. Employ strategies to reduce transportation demand. C. Enhance performance of the transportation system.
		G103	Objective 3: To promote alternative transportation mode choice. A. Provide a reasonable level and variety of public transit services that adequately meet statewide and community needs. B. Provide affordable, viable alternatives that are convenient and accessible. C. Promote pedestrian and cyclists safety.
		G104	Objective 4: To reduce congestion and delay. A. Increase capacity. B. Employ strategies to reduce transportation demand.
SAFETY AND SECURITY			
G2	Goal 2: Ensure the safety and security of transportation systems.	G201	Objective 1: To enhance the safety of the transportation system. A. Promote safe facilities and infrastructure. B. Promote the safe use of the transportation systems.
		G202	Objective 2: To ensure the secure operation and use of the transportation system. A. Employ various safety and security measures as required. B. Utilize law enforcement at problem locations.
ENVIRONMENT AND QUALITY OF LIFE			
G3	Goal 3: Protect and enhance the environment and improve the quality of life.	G301	Objective 1: To provide a transportation system, that is environmentally compatible and sensitive to cultural and natural resources. A. Provide facilities and infrastructure that are environmentally friendly. B. Manage and operate the transportation system in an environmentally responsible manner. C. Support environmentally responsible programs and activities.
		G302	Objective 2: To ensure that the transportation system supports comprehensive land use policies and livability in urban and rural areas. A. Provide a transporation system that supports and enhances quality of life. B. Encourage the use of non-motorized transportation modes. C. Minimize disruption of existing neighborhoods due to transportation.
ECONOMIC DEVELOPMENT			
G4	Goal 4: Support Hawaii's economic vitality.	G401	Objective 1: To provide and operate a transportation system to accommodate existing and emerging economic developments and opportunities. A. Provide a direct, convenient, and physically suitable system for goods movement to transportation facilites and commercial and industrial areas. B. To promote efficient and cost effective operations of the transportation system.
		G402	Objective 2: To provide a transportation system that balances the need for economic development with quality of life issues. A. Make transportation investments that reflect each islands scale and foster the quality of life of the people who live there. B. Target transportation investments in coordination with community involvement.
INTEGRATED STATEWIDE PLANNING, PROGRAMMING, AND DECISION-MAKING			
G5	Goal 5: Achieve a Statewide Planning Process that is comprehensive, cooperative, and continuing.	G501	Objective 1: To improve coordination and cooperation between all levels of government, the private sector, and the general public. A. Supports and conducts the Statewide Transportation Planning Process. B. Improve communication between all levels of government, the private sector, and the general public. C. Integrate approved policies, programs, and plans from all levels of government.
		G502	Objective 2: To involve the public and stakeholders to the fullest practicable extent in the planning and implementation of the transportation system. A. Develop programs to ensure opportunity for public and stakeholders' involvement. B. Ensune responsiveness to public concerns.
		G503	Objective 3: To develop and maintain a transportation financial structure that provides adequate and dependable resources. A. Optimize all possible financial resources. B. Develon an ongoing comprehensive financial program.

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ECONOMIC DEVELOPMENT			
G4	Goal 4: Support Hawaii's economic vitality.	G401	Objective 1: To provide and operate a transportation system to accommodate existing and emerging economic developments and opportunities. A. Provide a direct, convenient, and physically suitable system for goods movement to transportation facilites and commercial and industrial areas. B. To promote efficient and cost effective operations of the transportation system.
		G402	Objective 2: To provide a transportation system that balances the need for economic development with quality of life issues. A. Make transportation investments that reflect each islands scale and foster the quality of life of the people who live there. B. Target transportation investments in coordination with community involvement.
INTEGRATED STATEWIDE PLANNING, PROGRAMMING, AND DECISION-MAKING			
G5	Goal 5: Achieve a Statewide Planning Process that is comprehensive, cooperative, and continuing.	G501	Objective 1: To improve coordination and cooperation between all levels of government, the private sector, and the general public. A. Supports and conducts the Statewide Transportation Planning Process. B. Improve communication between all levels of government, the private sector, and the general public. C. Integrate approved policies, programs, and plans from all levels of government.
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		G503	Objective 3: To develop and maintain a transportation financial structure that provides adequate and dependable resources. A. Optimize all possible financial resources. B. Develop an ongoing comprehensive financial program.

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SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Assessment and Replacement Programs Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system	Pavement Management Programs Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
	STATEWIDE - FHWA											
S27.	Environmental Guideline Development	Develop Guide to standardize and institutionalize environmental clearance procedures.	N	N	L	N/A	N	N	Y	N	G-501	New project to program \$500K for PLN using STP Flexible funds in FFY 2017.
S28.	Hawaii Road Usage Charge Demonstration	This is a three-year, six-phase project that builds on existing state infrastructure that collects odometer readings annually as the basis for testing a road usage charge (RUC) user-based revenue alternatives. The project involves setup and implementation of an accounting system to provide prototypical invoices (or "billings") for mileage driven and other direct communications about revenue alternatives to over 1 million motorists. Billings will feature personalized information about motorists' road use and corresponding RUC, gas taxes paid, and other fees. The first demonstration activities will launch in the first half of 2017 with manual reporting and feature continuous feedback from motorists over 18 months. The grant proposal can be downloaded at http://hidot.hawaii.gov/administration/library/publications/ .	N	N	L	N/A	N	N	Y	Y	G-503	New project to program \$8M for PLN using STSFA Grant and \$3.125M for PLN using STP Flexible funds in FFY 2017.

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SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9 (TIP Revision #14 & #15)
OAHU : STATE - FHWA																		
OS12.	Interstate Route H-1, and Interstate Route H-2, and H-201 Destination Sign Upgrade/Replacement	Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1, H-2 and H-201.	L	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2	(TIP Rev #15) Update CON cost estimate for Phase II to reflect actual federal obligation and add \$5M of ADVCON in FFY 2017. (C.8.)
OS16.	Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Middle Street, Phase 1 - MP 12.83 to 16.00	Upgrade/replace existing freeway lighting. Phase 1 will cover improvements from Kaimakani Overpass to Approx. the Airport IC (MP 16.00). A future Phase 2 will cover improvements for the remainder of the limits from approx. the Airport IC (MP 16.00) to Middle Street.	L	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-3, G201-2, G301, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$957K to \$0 and in FFY 2019, increase federal-aid for ADVCON from \$5M to \$5.957M. (B.6.)
OS67.	Interstate Route H-1 , Reconstruction and Repair, Eastbound Waimalu Interchange to Halawa	Rehabilitate or Reconstruct Portland Concrete pavement. Widen to improve shoulders and travelway.	L	N/A	H	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G104, G201	(TIP Rev #15) New project to program \$80M total of PE2/CON in FFY 2017, of which \$17M is federal-aid with \$22M of ADVCON in FFY 2018 and \$17M of ADVCON in FFY 2019. (C.1.)
OS31.	Kamehameha Highway, Bridge Replacement, Laie/Loa Stream Bridge	Replace the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.	H	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2017 reduce federal-aid from \$988K to \$0, in FFY 2018 decrease federal-aid from \$6.5M to \$488K, and add \$7M of ADVCON in FFY 2019 (B.6.)
OS32.	Kamehameha Highway (Route 83), Bridge Replacement, South Kahana Stream Bridge	Replace the existing bridge.	H	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$2.216M to \$0 and in FFY 2019, increase federal-aid for ADVCON from \$9M to \$11.216M. (B.6.)

PLN-Planning, PE1-Preliminary Design, PE2-Final Design, PREROW-Preliminary Rights-of-Way, ROW-Rights-of-Way, CON-Construction, ADVCON-Advance Construction, INSP-Inspection, EQP-Equipment, OPR-Operations, RELOC-Relocation
FFY-Federal Fiscal Year

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OS36.	Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge	Replace the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.	H	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$408K to \$0 and in FFY 2019, increase federal-aid for ADVCON from \$7M to \$7.408M. (B.6.)
OS65.	Kamehameha Highway (RTE 83) Shoreline Mitigation, Vicinity of Kaaawa, Hauula, Punaluu and Kualoa	Repair identified locations along the coastal highway that have a very high probability of further erosion in the immediate future.	L	N/A	L	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 502	G101-2, G201-2, G301	(TIP Rev #14) Use ADVCON for financial constraint: in FFY 2017, reduce federal-aid from \$5M to \$0; in FFY 2018, add ADVCON with \$1M federal-aid; and in FFY 2019, add ADVCON with \$4M federal-aid. (B.6.)
OS45.	Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass (MP 1.12 to MP 4.09)	Upgrade/replace existing freeway lighting on Moanalua Freeway, from the Halawa Heights westbound off-ramp (milepost 1.12) to the Moanalua/H-1 Freeway merge at Middle Street (milepost 4.09).	L	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-3, G201-2, G301, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$5M to \$2.5M and in FFY 2019 add \$2.5M of federal-aid for ADVCON. (B.6.)

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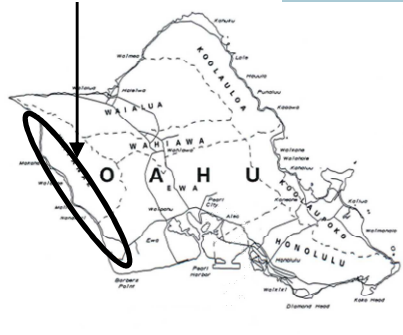
SAFETY PROJECTS		Project Description	Strategic Highway Safety Plan	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9 (TIP Revision #14 & #15)
	OAHU : STATE - FHWA																
OS14.	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.	H	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj.4 01	G101-2, G201-2, G301-2, G401	(TIP Rev #15) Increase CON from \$6.497M to \$11M in FFY 2017 due to low bid and added scope to upgrade lighting to meet standards and bike improvements. ADVCON redistributed in FFY 2017 from \$347K federal-aid to \$0; FFY 2018 federal-aid from \$5.5M to \$3M and add \$5.8M federal-aid in FFY 2019 for financial constraint. (C.8.)
OS37.	Kamehameha Highway, Rockfall Protection at Waimea Bay, MP 5.4 to MP 5.52, Phase 1: Haleiwa, Phase 2: Sunset Beach	Initiate rockfall mitigation measures along Kamehameha Highway at Waimea Bay (milepost 5.4 to milepost 5.52).	L	L	H	L	M	N	N	N	N/A	Y	Y	Y	Proj.5 01	G101-3, G201-2, G301, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$364K to \$0 and in FFY 2019, increase federal-aid for ADVCON from \$7.7M to \$8.064M. (B.6)
OS44.	Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements	Install and/or upgrade the existing guardrails. Reconstruct and pave road shoulders.	H	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj.4 01	G101-2, G201-2, G301-2, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$4M to \$2M and in FFY 2019 add \$2M of federal-aid for ADVCON. (B.6)

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CONGESTION MITIGATION PROJECTS		Project Description	Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Traffic Signal Warrants	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9 (TIP Revision #14 & #15)
OAHU : STATE - FHWA																			
OS66.	Farrington Highway (Route 93) Corridor Study	Conduct a corridor/feasibility study of the Nanakuli, Maili, Waianae, and Makah corridor on the island of Oahu with the objective of identifying recommendations to provide a second accss into and out of the area, reducing congestion, increasing capacity, and improving safety.	L	L	N/A	H	L	L	N/A	N	N	TBD	TBD	Y	Y	Y	Goal 2, Obj 2.A, 2.B	G101-2, G104, G201, G302, G401	(TIP Rev #15) New project to program \$500K total for PLN in FFY 2017. (C.1.)
OS5.	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2A	The project consists of installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements. This project will be implemented in phases.	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj.2	G101-2, G104, G201-2, G301-2, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$4M to \$0 and in FFY 2019, increase federal-aid for ADVCON from \$4.16M to \$8.16M. (B.6)

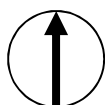


PROJECT AREA



VICINITY MAP

NORTH



LOCATION MAP

NOT TO SCALE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**FARRINGTON HIGHWAY CORRIDOR STUDY,
OAHU**

ISLAND OF OAHU

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MODERNIZATION PROJECTS		Project Description	Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9 (TIP Revision #14 & #15)
	OAHU : STATE - FHWA																	
OS60.	Kahekili Highway (Route 83) Improvements, Likelike Highway (Route 63) to Kamehameha Highway (Route 6510)	Capacity improvements through the defined limits, which could include widening and/or improving intersections. Estimated Total Project Cost is based on a potential full build alternative.	TBD	L	TBD	M	L	M	N	N	TBD	N/A	Y	Y	Y	Proj. 211	G101-2, G104, G201-2, G302, G401, G502	(TIP Rev #15) Use ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$4.8M to \$0 and in FFY 2019, add ADVCON with \$4.8M federal-aid. (B.6.)

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ENHANCEMENT PROJECTS		Project Description	Enhancement Program	Non-Enhancement Funding	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9 (TIP Revision #14 & #15)
OAHU : STATE - FHWA																
OS41.	Kamehameha Highway, Wetland Enhancement, Vicinity of Ukoa Pond	Enhance wetlands near Ukoa Pond as a mitigation for previous impacts and wetland banking for future use. This is a wetland mitigation project on the North Shore that is related to the construction of the Haleiwa Bypass Road.	N	Y	L	M	N	Y	N	N/A	Y	Y	Y	Proj. 101	G301	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$1.2M to \$0 and in FFY 2019, increase federal-aid for ADVCON from \$4M to \$5.2M. (B.6)
OS43.	Leeward Bikeway, Phase I, Waipio Point Access Road to Hawaii Railway Society Train Station	Improve the bikeway/bike path from Waipio Point Access Road to Lualualei Naval Road.	Y	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 1	G101-4, G201-2, G301-2, G401	(TIP Rev #14) Redistribute ADVCON for financial constraint: in FFY 2018, reduce federal-aid from \$7M to \$3.5M and in FFY 2019 add \$3.5M of federal-aid for ADVCON. (B.6)
CITY & COUNTY OF HONOLULU - FHWA																
OC2.	Bikeway Improvement Projects	This is an ongoing islandwide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle facilities. Projects include the Hamakua Drive Bikeway Improvements and the Pearl Harbor Bike Path Restoration.	N	Y	L	L	Y	N	N	N/A	Y	Y	Y	Proj.1	G101-4, G201-2, G301-2, G401, G501	(TIP Rev #14) Request to add EIS to design (B.1), to defer and inflate due to constuction delays of 8-10 months, and to delete Lehua Ave repaving as avenue is currently being resurfaced.
OC25.	Transportation Alternatives Program at Various Locations	The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TAP Project Evaluation and Ranking process.	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 101	G101-4, G201-2, G301-2, G401, G501	(TIP Rev #14) Request to add a phase to an existing project (B.4) and revise existing project phases (A.3).

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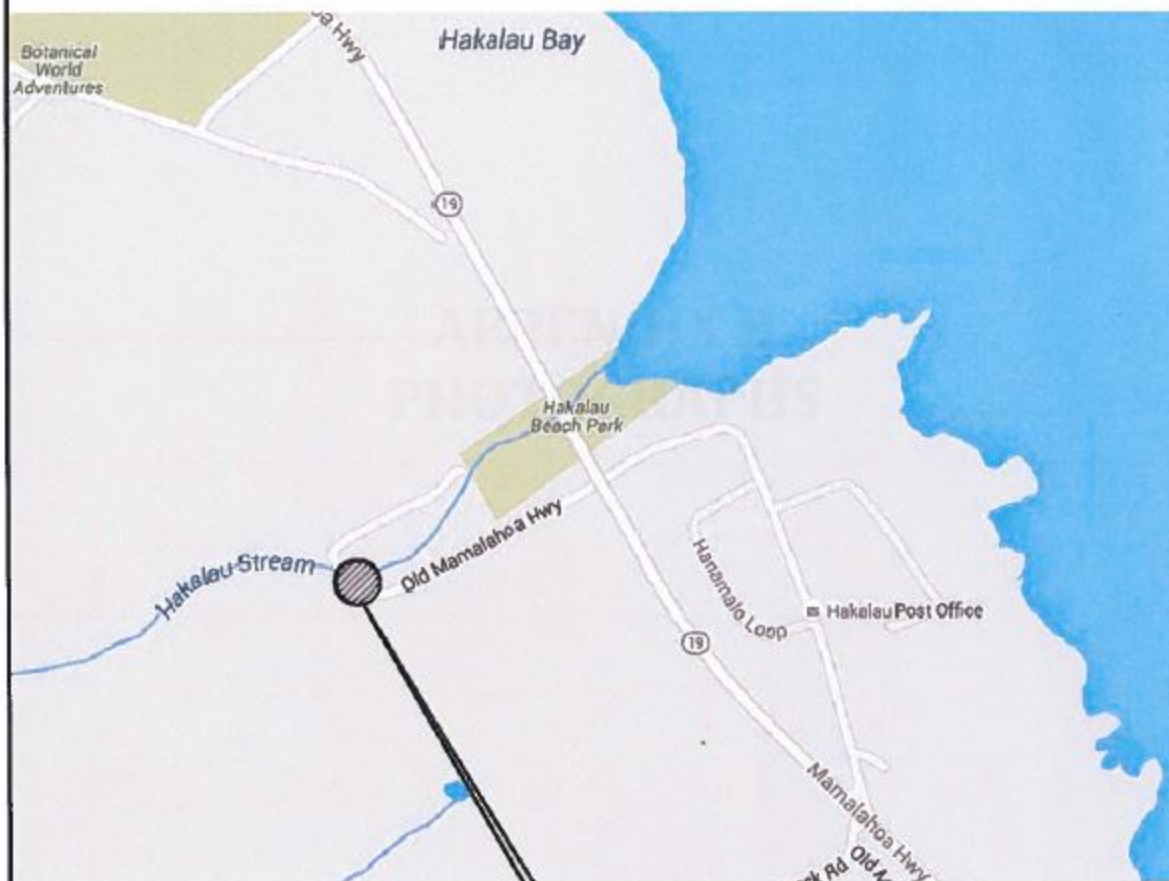
TRANSIT PROJECTS		Project Description	Maintains Existing System	Completes Multi-Phase Project	Enhances Hub-and Spoke System	Enhances Safety and Security	New Transit Service	Local Match In Year 1 Budget	Local Match Probable In Years 2,3 or 4 Budget	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9 (TIP Revision #14 & #15)
	CITY & COUNTY OF HONOLULU - FTA															
OC14.	Bus Stop ADA Access and Site Improvements	To modify bus stops and bring them into compliance with the Americans With Disabilities Act (ADA).	Y	Y	Y	Y	Y	Y	N	N/A	Y	Y	Y	Proj. 603	G101-4, G201-2, G301-2, G401	(TIP Rev #14) Request to add a NPDES inspection phase to an existing project (B.4)
OC20.	Preventive Maintenance	Preventive maintenance of FTA-funded rolling stock (buses and handi-vans) to include parts, labor, and other related costs.	Y	N/A	N/A	N/A	N/A	Y	Y	N/A	Y	Y	Y	Proj. 605	G101-4, G201-2, G301-2, G401, G501	(TIP Rev #14) Request to change the project's funding from local to federal funds (B.5)

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SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Assessment and Replacement Programs Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system	Pavement Management Programs Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
	COUNTY OF HAWAII - FHWA											
HC10.	Hakalau Stream Bridge Replacement (Route 222)	Repair or reconstruct and restore the structural integrity and safety of the Hakalau Stream Bridge.	Y	N	L	M	N	N	Y	N	G101-2, G201-2, G301-2, G401	New project to add \$150K of PE1 in FFY 2017, \$250K of PE2 in FFY 2018, and \$3M of CON in FFY 2020.
HC11.	Kaahakini Stream Bridge Rehabilitation	Repair or reconstruct and restore the structural integrity and safety of the Kaahakini Stream Bridge.	Y	N	L	M	N	N	Y	N	G101-2, G201-2, G301-2, G401	New project to add \$200K of PE1 in FFY 2017, \$300K of PE2 in FFY 2018, and \$5M of CON in FFY 2020.

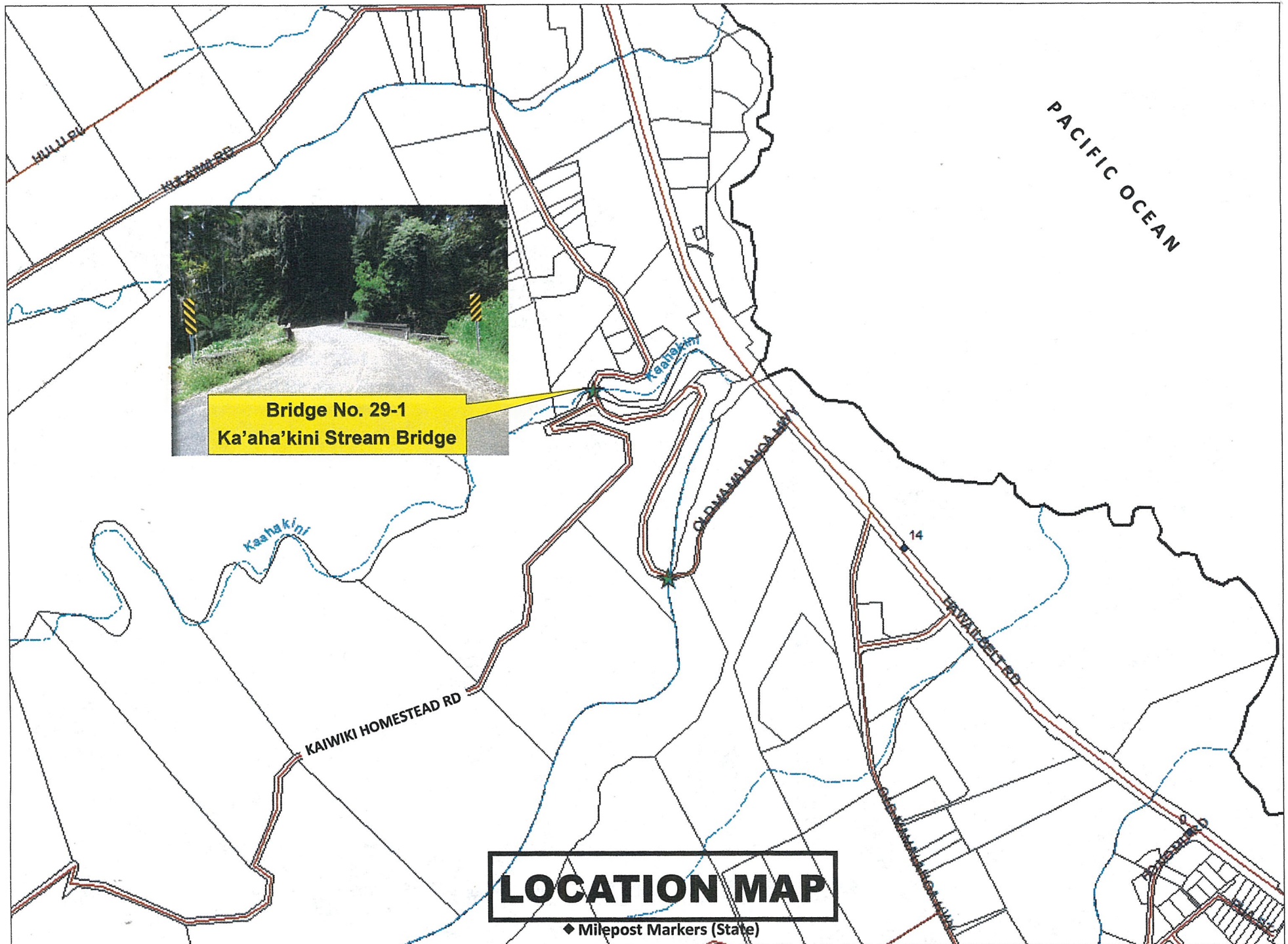
HC10

Hakalau Stream Bridge
March 2016



PROJECT SITE
HAKALAU STREAM BRIDGE
OVER HAKALAU GULCH
19°53'53.84" N, 155°07'44.80" W

VICINITY MAP
NTS



LOCATION MAP

◆ Milepost Markers (State)

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MODERNIZATION PROJECTS		Project Description	Congestion Management System Yes: Project identified through a Congestion Management System process No: Project did not result from a Congestion Management System process	Highway Safety Improvement Program Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Traffic Signal Warrants Traffic signal project meets the criteria in the Traffic Signal Warrants	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
	COUNTY OF HAWAII - FHWA												
HC5.	Kuakini Highway (Route 1100) Widening, Phase II, Hualalai Road (Route 188) to Proposed Alii Highway (Route 1110)	Widening of a 1.1 mile section of Kuakini Hwy from Hualalai Road and the proposed Alii Highway. Construction costs for Phase 2 are estimated at \$45 million. The project will need to be phased due to our limited annual allotment of federal funds.	Y	N	L	L	N	N	N	Y	Y	G101-4, G201-2, G301-2, G401, G502	Defer and inflate PE2 from \$1.6M in FFY 2018 to \$1.632M in FFY 2019 as the new County of Hawaii administration is determining the priority of this project.

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TRANSIT PROJECTS		Project Description	Maintains Existing System	Completes Multi-Phase Project	Enhances Hub-and-Spoke System	Enhances Safety and Security	New Transit Service	Local Match in Year 1 Budget	Local Match Possible in Years 2, 3 or 4 Budget	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
			Does it maintain and operate existing fixed route bus and complementary paratransit system?	Does it complete a multi-phase project that has started?	Does it enhance system performance through implementation of hub-and-spoke system?	Does it enhance safety/security of passengers and the system and enhances service quality level?							
	COUNTY OF HAWAII - FTA												
HC12.	Bus and Bus Facility (discretionary)	Capital projects to replace buses.	Y	N	Y	N	N	Y	Y	Y	N	G101-2	New project. These are additional discretionary funds awarded through the FTA Section 5339 Bus and Bus Facilities program.

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SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Assessment and Replacement Programs Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system	Pavement Management Programs Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
	COUNTY OF MAUI - FHWA											
MC8.	Iao Stream Bridge Repairs, Iao Valley Road (Route 3200), MP 2	Repair existing steel bridge. Construct roadway improvements at both approaches.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	Delete this project (\$1.53M of CON in FFY 2017). After further investigation, the scope was significantly reduced to repairs and a project will be done with only County funds.
MC41.	Kaupakalua Road (Route 365) Pavement Rehabilitation Phase 1 - Kokomo Road to East Kuiaha Road Phase 2 - East Kuiaha Road to Hana Hwy	The proposed scope of work for this project consists of pavement reconstruction, utility adjustments, replacement of existing signs, and installation of pavement markings and striping.	N	Y	L	L	N	N	Y	N	G101-2, G201-2, G301, G401	Increase Phase 1 FFY 2018 CON funds from \$5.6M to \$8.8M to reflect current cost estimate.
MC28.	Onehee Avenue (Route 3960, MP 0.66-MP0) Pavement Rehabilitation, and Kea Street (Route 3970, MP 0.6-MP 0) Reconstruction, Papa Avenue (Route 3910) to Wakea Avenue (Route 3920)	The proposed scope of work for this project consists of pavement reconstruction, installing 4 feet wide paved shoulders, reconstructing existing curb ramps and sidewalks to be ADA compliant, utility adjustments, replacing existing signs, pavement markings and striping.	N	Y	L	L	N	N	Y	N	G101-2, G201-2, G301, G401	Defer and inflate CON from \$2.245M in FFY 2018 to \$2.29M in FFY 2019 due to financial constraint.

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SAFETY PROJECTS		Project Description	Highway Safety Improvement Program Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program	Rockfall Protection Study Yes: Project identified through DOT's Rockfall Protection Study No: Project did not result from DOT's Rockfall Protection Study	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
	COUNTY OF MAUI - FHWA											
MC5.	Guardrail and Shoulder Improvements, Various Locations, Phase 1 - Haliimaile Road (Route 371), Haleakala Highway (Route 37) to Baldwin Ave (Route 390) MP 0-MP 2.62 & Phase 2	Construction of new metal guardrails and guardrail end treatments, and upgrades to existing traffic signage and markings. This is a continuous improvement program.	N	N	L	L	N	N	Y	N	G101-3, G201-2, G301, G401	Defer and inflate Phase 1 CON from \$1.53M in FFY 2017 to \$1.592M in FFY 2019 due to right-of-way issues.

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CONGESTION MITIGATION PROJECTS		Project Description	Congestion Management System Yes: Project identified through a Congestion Management System process No: Project did not result from a Congestion Management System process	Highway Safety Improvement Program Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Traffic Signal Warrants Traffic signal project meets the criteria in the Traffic Signal Warrants	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
	COUNTY OF MAUI - FHWA												
MC33.	Waiale Road (Route 3180) Traffic Signals at Waiinu Road	This project proposes to install a traffic signal at the intersection of Waiale Road and Waiinu Road as identified in earlier warrant studies however, other alternatives will be evaluated and considered along with TSM alternatives. Other improvements to be included are roadway widening on Waiale Road to accommodate a left turn lane.	N	N	L	L	Y	N	N	Y	N	G101-4, G201-2, G302, G401, G502	Defer and inflate CON from \$826K in FFY 2018 to \$843K in FFY 2019 due to financial constraint.
MC35.	Wakea Ave. (RTE 3920) and Kamehameha Avenue (RTE 3940) Traffic Signal Upgrade	This project will upgrade the existing traffic signal at the intersection of Wakea Avenue and Kamehameha Avenue. Other improvements include bike lane continuation, ADA curb ramp upgrades, and roadway widening to accommodate turn lanes on Kamehameha Avenue.	N	N	L	L	Y	N	N	Y	N	G101-4, G201-2, G302, G401, G502	Defer and inflate CON from \$1.248M in FFY 2017 to \$1.298M in FFY 2019 due to a delay in the roundabout study and financial constraints in FFY 2018.

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TRANSIT PROJECTS		Project Description	Maintains Existing System Does it maintain and operate existing fixed route bus and complementary paratransit system?	Completes Multi-Phase Project Does it complete a multi-phase project that has started?	Enhances Hub-and-Spoke System Does it enhance system performance through implementation of hub-and-spoke system?	Enhances Safety and Security Does it enhance safety/security of passengers and the system and enhances service quality level?	New Transit Service Local Match in Year 1 Budget	Local Match Possible in Years 2, 3 or 4 Budget	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9	
	COUNTY OF MAUI - FTA												
MC42.	Metropolitan Transportation Planning Program	Planning projects.	N/A	N	N/A	N/A	N/A	Y	N	Y	Y	G101-4, G302, G501-2	New project.

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ENHANCEMENT PROJECTS		Project Description	Hawaii Statewide Enhancement Program Is the project classified as "Potentially Fundable" for use of Transportation Enhancement funds by the Hawaii Procedures for TE Projects?	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
Transportation enhancement projects, such as: - bikeway projects - landscaping projects - pedestrian facilities projects											
	COUNTY OF KAUAI - FHWA										
KC4.	Ahukini To Lydgate Park Bike/Pedestrian Path (Phase IV of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94). Phase A - Ahukini Landing to Hanamaulu Beach Park. Phase B - Hanamaulu Beach Park to Wailua Golf Course	The 10' to 12' wide 6' thick 5.3 mile concrete path from Ahukini Pt, connecting with an existing path at Lydgate Park. A future Phase C will go from Wailua Golf Course to Lydgate Park and cost \$9.5M.	Y	L	L	N	N	Y	N	G101-4, G201-2, G301-2, G401-2, G502	For Phase A--Defer and inflate PE2 from \$1.122M in FFY 2017 to \$1.167M in FFY 2019. Defer and inflate CON from \$7.575M in FFY 2019 to \$7.727M in FFY 2020. This is for financial constraint. For Phase B--Defer and inflate PE1 from \$815K in FFY 2018 to \$831K in FFY 2019. Defer and inflate ROW from \$4.08M in FFY 2019 to \$4.162M in FFY 2020. This is for financial constraint.
KC4.	Nawiliwili to Ahukini Bike/Pedestrian Path (Phase VI of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94) Phase A - Ninini Point to Ahukini Phase B - Ninini Point to Nawiliwili Beach Park	Path development will consist of a 10 to 12-foot wide concrete shared-use coastal path of various low-maintenance materials. Bike lane and sidewalk improvements to existing and planned street corridors will provide additional connectivity through urban areas.	Y	L	L	N	N	Y	N	G101-4, G201-2, G301-2, G401-2, G502	For Phase A--Defer CON from \$6.865M in FFY 2020 to the out years due to financial constraint.

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TRANSIT PROJECTS		Project Description	Maintains Existing System	Completes Multi-Phase Project	Enhances Hub-and-Spoke System	Enhances Safety and Security	New Transit Service	Local Match in Year 1 Budget	Local Match Possible in Years 2, 3 or 4 Budget	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #9
			Does it maintain and operate existing fixed route bus and complementary paratransit system?	Does it complete a multi-phase project that has started?	Does it enhance system performance through implementation of hub-and-spoke system?	Does it enhance safety/security of passengers and the system and enhances service quality level?							
	COUNTY OF KAUAI - FTA												
KC15.	Bus and Bus Facility (discretionary)	Capital projects to replace buses.	Y	N	Y	N	N	Y	Y	Y	N	G101-2	New project. These are additional discretionary funds awarded through the FTA Section 5339 Bus and Bus Facilities program.